

Title (en)
Improved oscillating hand tool

Title (de)
Verbessertes oszillierendes Handwerkzeug

Title (fr)
Outil vibrant portatif perfectionné

Publication
EP 0694365 B2 20001115 (EN)

Application
EP 95304671 A 19950704

Priority
GB 9415011 A 19940726

Abstract (en)
[origin: EP0694365A1] A dual function powered oscillating hand tool comprises (i) a drive unit (5) having an electric motor and a drive shaft (7); (ii) a bearing (15) mounted on the drive shaft (7) and located radially eccentrically relative to the drive shaft (7); (iii) a second drive shaft (14) mounted on the eccentric bearing (15) and (iv) means (13) for mounting a sanding head (20,21) on the second drive shaft (14). The sanding head (20,21) may comprise a sanding platen (21) for random orbit sanding or a sanding shoe (20) for orbital sanding and the tool further comprises means selectively engageable to restrict the random orbit of the sanding shoe (20) to a regular orbit. <MATH>

IPC 1-7
B24B 23/03; **B24B 23/04**

IPC 8 full level
B24B 23/03 (2006.01); **B24B 23/04** (2006.01)

CPC (source: EP US)
B24B 23/03 (2013.01 - EP US); **B24B 23/04** (2013.01 - EP US)

Cited by
WO0029170A1; NL1030176C2; US6110028A; GB2359266A; GB2359266B; GB2380151A; GB2380151B; GB2450582A; GB2450582B; US7736216B2; US12005542B2; US6780094B2; GB2377662A; GB2377662B; EP3736084A1; CN111906657A; WO2007043871A1; EP3693132A1; EP3646987A1; EP3656503A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0694365 A1 19960131; **EP 0694365 B1 19970924**; **EP 0694365 B2 20001115**; AU 2714895 A 19960208; AU 686395 B2 19980205; CA 2153430 A1 19960127; CA 2153430 C 20050906; CN 1088001 C 20020724; CN 1133219 A 19961016; DE 69500754 D1 19971030; DE 69500754 T2 19980115; DE 69500754 T3 20010222; DE 69500754 T4 20010802; ES 2091736 T1 19961116; ES 2091736 T3 19971101; ES 2091736 T5 20010101; GB 9415011 D0 19940914; HK 1000765 A1 19980424; JP 3623552 B2 20050223; JP H0852648 A 19960227; US 6132300 A 20001017

DOCDB simple family (application)
EP 95304671 A 19950704; AU 2714895 A 19950724; CA 2153430 A 19950707; CN 95115820 A 19950726; DE 69500754 A 19950704; DE 69500754 T 19950704; ES 95304671 T 19950704; GB 9415011 A 19940726; HK 97102372 A 19971209; JP 18694095 A 19950724; US 87631697 A 19970616